John Ferguson Smart

Advanced BDD Test Automation

Build a high performance test automation team

To deliver more high quality automated tests sooner

By using state of the art test automation practices

2-day workshop

Key Benefits

✓ Write more automated tests faster

✓ Deliver new features faster and more reliably

✓ Reduce the cost of maintaining your automated test suites

✓ Increase confidence in your automated tests

✓ Improve test quality, making them faster, more reliable and easier to maintain

Students will learn how to

✓ Use advanced development skills to write more robust and more maintainable tests faster

✓ Test both web and non-web application layers

✓ Write faster and more stable web tests with advanced WebDriver and Serenity BDD

✓ Work together as a high performing test automation team on real-world projects

Who should attend

This course is suitable for testers and developers with some familiarity with automated web testing. The course assumes that students are familiar with Java and the basics of Selenium WebDriver.

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Course Outline

Day 1

‣ Next generation test automation

‣ Writing more meaningful tests

‣ SOLID principles for test automation

‣ Introducing the Journey/Screenplay Pattern

‣ Advanced automated web testing with WebDriver/Serenity

‣ Working with non-UI layers

Day 2

‣ Reporting and feedback - keeping everyone in the loop

‣ Test suite performance

‣ Real-world test project

Approach

This 2-day workshop will be a hands-on dive into advanced automation practices, with a mixture of roughly 30% presentation and 70% exercises.

On the second day, students will work as teams to write tests for a real website, working with a git repository and running the tests on a cloud-based architecture using Continuous Integration and distributed machines. Students will learn not only how to write high quality, low maintenance tests, but also how to work together more efficiently to delivery more high quality automated tests sooner.

About your trainer

John Ferguson Smart is an international speaker, consultant, author, and a well-regarded expert in areas such as BDD, TDD, test automation, software craftsmanship and team collaboration. John helps organisations and teams around the world deliver better software sooner through more effective collaboration and communication techniques, and through better technical practices. John is author of *BDD in Action*, *Jenkins: The Definitive Guide* and *Java Power Tools*. John also leads development on

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